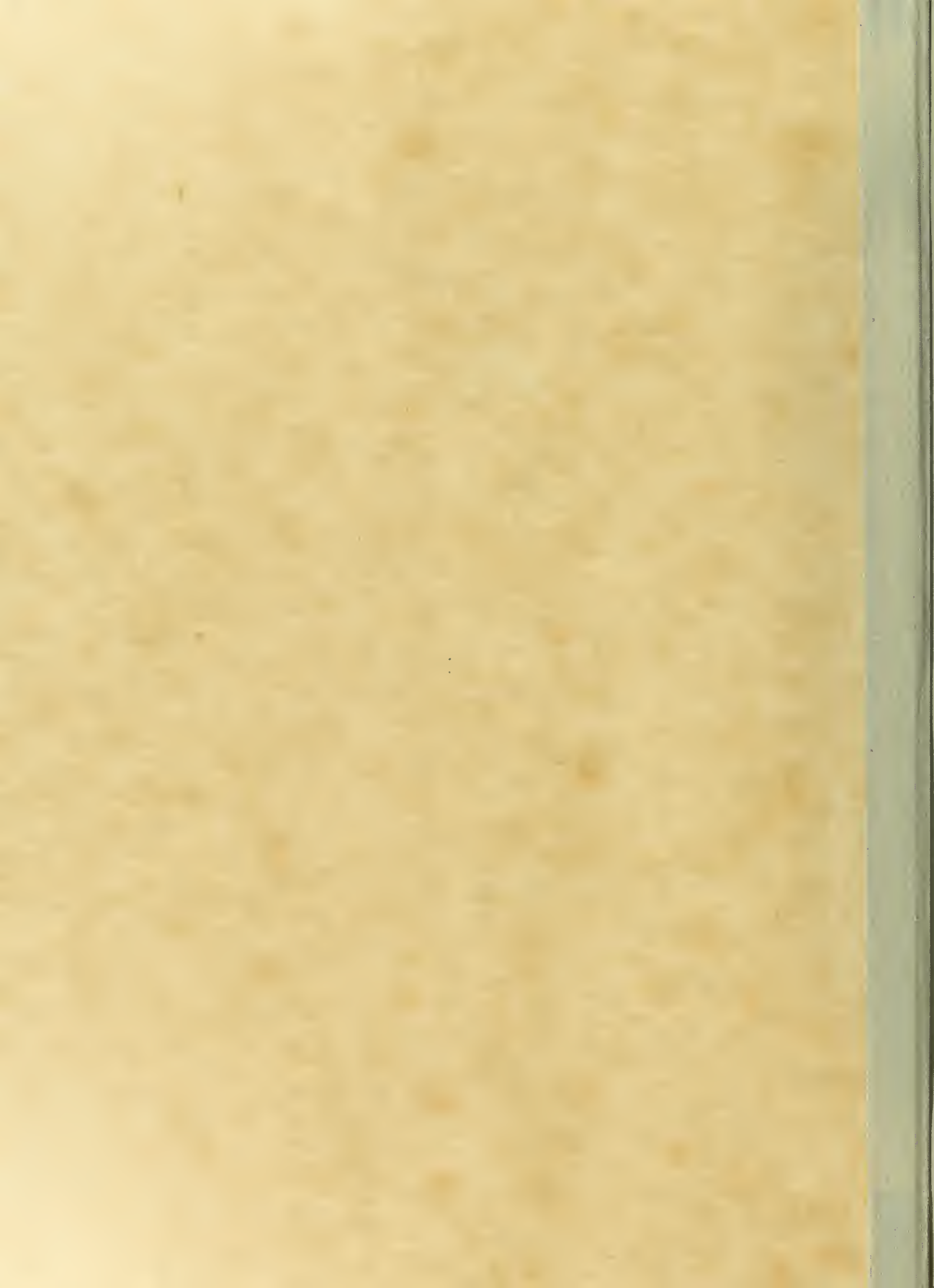


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# 1971 PERFORMANCE of COMMERCIAL CORN HYBRIDS in ILLINOIS

(WITH 1969 AND 1970 LISTINGS)



G. L. Ross  
J. E. Dillon  
D. W. Graffis

Circular 1048



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This circular was prepared by G. L. Ross, Assistant Agronomist, J. E. Dillon, Associate Agronomist, and D. W. Graffis, Professor of Forage Crops Extension. Data processing was done by the Statistical Laboratory of the Agronomy Department. R. D. Seif, Professor of Biometry, and S. G. Carmer, Associate Professor of Biometry, supervised the analysis and preparation of the data.

Urbana, Illinois

December, 1971

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# PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1971

CORN YIELDS IN ILLINOIS IN 1971 are estimated to average 102 bushels per acre, or 28 bushels more than the 1970 average production. A dry, warm spring promoted early planting and the corn crop was off to its best start in a number of years. Planting of the test plots reported in this circular was delayed some by late arrival of seed from winter nurseries in Florida, Texas, Mexico, and Hawaii.

June was an ideal growing month except for an area in north-central Illinois between Galesburg and Joliet which was short of rainfall. East-central Illinois had a slight drouth in June and south-central Illinois was short of rainfall in August. A dry September and October made an ideal harvest period for corn before lodging became serious. Severe lodging occurred following heavy winds in October in some areas of the state.

A larger than expected supply of normal and blend hybrid seed at planting time helped reduce losses from southern corn leaf blight as compared with 1970. The quality of 1971 seed varied. Some hybrids had low resistance to northern leaf blight, yellow leaf spot, southern leaf blight race "O," and southern leaf blight race "T." These leaf diseases are classified as "blight" in the tables in this circular. The fields were classified from August 30 through September 10 and many of the lesions had run together preventing separation of the diseases. A rating scale from 0 to 100 was used. A rating of 0 indicates little or no lesions while a rating of 100 indicates that the plant was almost or completely dead. Not all locations were equally infected. *Do not compare yields or leaf blight ratings of a hybrid at one location with hybrids at another location. Make all comparisons within a test location.*

Yields for 1969, 1970, and 1971 are presented separately because of the different cytoplasm used in the three years and the devastating attack of southern leaf blight in 1970.

Seed companies were asked to identify the type of cytoplasm in each entry of the tests reported in this circular. Hybrids using Texas male sterile cytoplasm are referred to as "T" cytoplasm.

## New Tests

Two new trials were initiated in 1971 to provide yield information for hybrids high in lysine (a component of protein). Hybrids with opaque-2 backgrounds and hybrids with floury-2 backgrounds were planted in separate isolation blocks under the direction of R. J. Lambert of the Department of Agronomy. Lysine analysis was conducted by the Illinois Maize Genetics Laboratory.

## Plan of the Tests

**Selection of entries.** Each year all producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of 30 dollars for each hybrid at each location entered. Most of these hybrids are commercially available, although a few experimental hybrids are also entered.

**Number and location of tests.** In 1971, 20 major tests were conducted at 11 locations in the state (see map on page 2). These sites represent major soil and climatic areas of the state.

**Hybrids.** Over 400 hybrids from 49 companies were tested in 1971. Seed for the trials was supplied by the seed companies.

**Field-plot design.** Three or four replications in a randomized complete block or lattice design were used. These arrangements give each hybrid an equal chance to show its merits.

**Planting methods.** All trials were planted by hand except at Galesburg, Urbana, and Brownstown, which were planted by machine. All test fields except at DeKalb, Urbana, Stanford, and Brownstown were part of larger corn fields and thus were surrounded by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands except at Dixon Springs where the field was replanted. Each plot was three rows wide and 26 feet long except at Woodstock where one-row plots were used to avoid road spoil. Small plots help to avoid differences due to soil conditions. The center row of each plot was harvested to determine yield.

**Fertilization.** All test fields were at a high level of fertility. Additional fertilizer was plowed down or side-dressed as needed to assure top yields.

**Method of harvest.** All plots were harvested with a self-propelled combine. Shelled corn from each plot was collected, weighed, and tested for moisture percentage. No allowance was made for shelled corn that might have been lost in harvest.

## Measuring Performance

Occasionally hybrids too late in maturity for a given area are entered in these tests. Such hybrids are often high in yield but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

**Yield of grain.** Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn



(15.5 percent moisture). An electronic moisture tester was used for all moisture readings.

**Erect plants.** The number of erect plants in each plot of a hybrid was counted at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

**Stand.** In late June, plants in all plots on all fields were counted and the percent of stand was computed by comparing this number with the number of kernels planted. Plots with over 100-percent stand were thinned at this time. Stand differences may be caused by failure to germinate or by disease, insect injury, or cultivation damage.

**Plants per acre.** Plants per acre were calculated for each plot by using the percent stand obtained from plant counts. Differences in plants per acre and differences in percent stand are caused by the same factors.

**Blight infection.** The observations were noted during the last week of August and the first week of September. A reading of 0 indicates no blight visible. A reading of 5 to 10 indicates blight visible but little or no development. Higher readings indicate sensitivity to blight and the amount of infection on the plants. A number of hybrids in 1971 were observed as being blends of N and T cytoplasm and were averaged. Drouth caused premature dying of corn at the Elwood field and prevented reliable leaf-blight ratings in 1970.

**Comparing hybrids.** In any test of plant material, it is impossible to measure performance exactly. Samples may vary, soils may not be uniform, and many other conditions may produce variability. *Results of repeated tests, like those reported in this circular, are more reliable than those of a single year or a single strip test.* In general, a yield difference of a few bushels per acre is not significant in these tests. When one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is *real* and should be a consideration in choosing a hybrid. But yield alone is not enough. Consider also the grain moisture content, percentage of erect plants, percent stand, or plants per acre in comparing yields.

As an aid to comparing hybrids, certain statistical tests have been devised. D. B. Duncan<sup>1</sup> has outlined an approach to the problem of multiple comparisons when only two means are compared among a set of hybrid means. Certain factors not accounted for in previous tests of this type are included in Bayes L.S.D. This test is applied in the same manner as previous statistical tests used in these circulars. When two hybrids in a trial are compared, and the difference between them is greater than the tabulated L.S.D. value, then the hybrids are said to be "significantly different."

<sup>1</sup> Duncan, D. B., "A Bayesian Approach to Multiple Comparisons," *Technometrics*, 7:171-222, 1965.

Table 1. — General Information: Illinois Hybrid Corn Tests, 1971

Field, county, location, and number of entries	Date planted	Date har- vested	Aver. acre yield	Mois- ture in grain	Lodged plants	Aver. popula- tion
<b>40-inch rows, 18,000 plants per acre</b>			<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	
Woodstock: McHenry, Ex. N, 46.....	May 10	Oct. 14	139	21.3	99	17,500
<b>38-inch rows, 18,000 plants per acre</b>						
Augusta: Hancock, WC, 56.....	May 13	Oct. 25	162	21.4	97	17,700
<b>30-inch rows, 18,000 plants per acre</b>						
DeKalb: DeKalb, N, 53.....	May 14	Oct. 15	151	26.0	98	17,700
Urbana: Champaign, EC, 82.....	May 17	Oct. 20	134	22.9	98	17,900
Greenfield: Macoupin, WSC, 41.....	April 29	Oct. 5	117	21.7	78	17,900
Brownstown: Fayette, S, 45.....	April 27	Oct. 6	106	18.0	72	17,600
Carbondale: Jackson, Ex. S, 28.....	April 22	Sept. 30	141	22.5	97	17,900
Dixon Springs: Pope, Ex. S, 49.....	May 28	Oct. 1	133	31.0	94	17,500
<b>30-inch rows, 22,000 plants per acre</b>						
Brownstown: Fayette, S, 44.....	April 27	Oct. 6	85	16.5	75	21,300
Carbondale: Jackson, Ex. S, 21.....	April 22	Sept. 30	103	22.2	96	21,800
<b>30-inch rows, 24,000 plants per acre</b>						
DeKalb: DeKalb, N, 81.....	May 14	Oct. 16	151	26.3	99	23,700
Elwood: Will, ENC, 61.....	May 10	Oct. 13	123	24.1	99	23,400
Stanford: McLean C, 78.....	May 3	Oct. 29	135	19.8	99	23,600
Urbana: Champaign, EC, 107.....	May 18	Oct. 19	132	22.1	95	24,000
Greenfield: Macoupin, WSC, 39.....	April 29	Oct. 5	105	20.9	79	23,600
Dixon Springs: Pope, Ex. S, 23.....	May 28	Oct. 1	149	30.9	98	22,600
<b>28-inch rows, 18,000 plants per acre</b>						
Galesburg: Knox, WNC, 44.....	May 4	Oct. 11	143	22.7	98	17,900
<b>28-inch rows, 24,000 plants per acre</b>						
Galesburg: Knox, WNC, 75.....	May 4	Oct. 11	142	21.5	95	23,900





## Growing Conditions on 1971 Test Fields

**Extreme Northern Illinois: Woodstock.** This test field represents the cool, humid area in northeastern Illinois. The test plot is on land operated by the Hughes Farms and Seed Company. The soil type is Proctor silt loam, a fertile, deep, well-drained, dark prairie soil. The 1971 test was in a field of fourth-year corn. The test was planted in one-row plots to avoid road spoil that was visible at planting time. Conditions were favorable for an above-average crop.

**Northern Illinois: DeKalb.** This test is on the University of Illinois' Northern Illinois Research Center near Shabbona in DeKalb County. R. E. Bell is field manager of the research center. The soil type is Flanagan silt loam, a dark-brown, adequately drained soil of high fertility. The rotation used is a corn-corn-soybean-oats-clover rotation. The two tests at this location were on second-year corn. The field was dry at planting time and stands were irregular.

**West North-Central Illinois: Galesburg.** This test is located on the Hawkinson Farms, operated by Harold and Dave Hawkinson. The test field was a highly fertile, heavy-textured, Sable silty clay loam. Planting was completed in early May. About one inch of rain was received from planting date to July 1. The crop developed slowly during the early portion of the season, but July rains resulted in excellent growth which extended into fall.

**East North-Central Illinois: Elwood.** This test is on the Northeastern Illinois Agronomy Research Center in Will County. Dale Harshbarger is field manager. The test was on a poorly drained area of Drummer silty clay loam. Drummer is one of the best soil types in the area. The field received good rainfall and favorable temperatures in May but there was less than 1.5 inches of rainfall in June.

**West-Central Illinois: Augusta.** This test is located on the William Finney farm, west of Augusta in Hancock County. The soil is a Harrison silt loam, a moderately well-drained, dark-grayish-brown prairie soil. The field was planted in mid-May and received good rainfall throughout the growing season. There

was slight hail damage in late August. Harvest was completed before lodging was severe.

**Central Illinois: Stanford.** This test is located in the western part of McLean County, near Stanford, on a farm operated by Howard Logsdon. The soil is a deep, well-drained, fertile Muscatine silt loam. The field was in fifth-year corn. Rainfall was very irregular and the field was on the dry side most of the summer.

**East-Central Illinois: Urbana.** This test is located on the Agronomy South Farm at the University of Illinois at Urbana-Champaign in Champaign County. M. G. Oldham is the farm manager. Fields on which the test plots were grown are level, heavy-textured Drummer silty clay loam. The two trials were in the second year of corn of a corn-corn-oats-alfalfa rotation. There was a short period in June when the increased planting rate test was noticeably short of moisture.

**West South-Central Illinois: Greenfield.** This test represents the moderately poorly drained soils of western south-central Illinois. The soil is Herrick silt loam. The plot is located between Palmyra and Greenfield in Macoupin County on a farm operated by C. H. Ross, Jr. Planting was completed on April 29 and poor stands resulted because of a dry seedbed. Rainfall was spotty. The test did not receive adequate rainfall for maximum yield.

**Southern Illinois: Brownstown.** This test is located at the University of Illinois' Brownstown Experiment Field in Fayette County. Arden Christensen is the area agronomist in charge of the field. The soil is Cisne silt loam, a poorly drained, gray prairie soil with a well-developed claypan. Natural fertility of the soil is low. High yields were prevented by an August drouth.

**Extreme Southern Illinois Bottomland: Dixon Springs.** This test was located at the University's Dixon Springs Agricultural Center in Pope County with George McKibben, area agronomist, cooperating. The test plot was located on Sharon silt loam, a light-colored, moderately well-drained to well-drained, medium-textured, bottomland soil. An April 30 planting was covered by floodwaters about mid-May. The test was replanted on May 28 in a field of second-year corn and adjacent to a southern corn leaf blight experiment. There was an abundant supply of southern corn leaf blight spores in the area.

**Extreme Southern Illinois Upland: Carbondale.** The test at Carbondale represents the typical upland area in southern Illinois. This test was conducted at the Southern Illinois University and University of Illinois Agronomy Research Center where Roy Brown-ing is superintendent. The soil types are Weir and Stoy silt loams, which are rather shallow, silty soils over claypan. The field was planted in early April and harvested in early October. The growing conditions were more favorable in 1971 than they have been for several years.

Table 2. — Growing Season Rainfall

Field	May	June	July	August
	<i>inches</i>			
Woodstock.....	1.7	3.4	1.6	2.1
DeKalb.....	1.5	2.2	1.7	3.3
Galesburg.....	1.3	.7	4.2	.8
Elwood.....	2.5	1.5	2.4	1.8
Augusta.....	1.7	.3	2.9	1.8
Stanford.....	3.4	1.1	6.1	1.3
Urbana.....	4.6	1.2	9.5	1.4
Greenfield.....	2.4	1.3	2.3	.7
Brownstown.....	1.0	2.3	4.9	.1
Carbondale.....	5.7	.9	3.3	4.9
Dixon Springs.....	4.7	2.4	5.6	2.9

## SOURCES OF SEED

ACCO Seed	Anderson-Clayton	Belmond, Iowa
Ainsworth Hybrids	Ainsworth Seed Co.	Mason City
Anderson Hybrids	The Anderson's	Maumee, Ohio
ASGROW Hybrids	ASGROW Seed Co.	4244 Clinton Ave., Des Moines, Iowa
Bear Hybrids	Bear Hybrid Corn Co.	Box 628, Decatur
Blaney Hybrids	Blaney Farm, Inc.	R.R. 4, Madison, Wisconsin
Bo-Jac Hybrids	Bo-Jac Hybrid Corn Co.	Mt. Pulaski
C.I. Seed	Central Illinois Seed, Inc.	R.R. 6, Springfield
Coop Hybrids	Farmland Industries, Inc.	P.O. Box 7305, Kansas City, Missouri
Cornelius Hybrids	Cornelius Seed Corn Co.	Bellevue, Iowa
Corn King Hybrids	Malcolm H. Grieve	Pierson, Iowa
Dockendorff Hybrids	Max Dockendorff	Danville, Iowa
Embro Hybrids	Embro Seed Co.	101 Chouteau Ave., St. Louis, Missouri
Farmers Union Hybrids	Farmers Union Seed Co.	Cedar Falls, Iowa
Frey Hybrids	Frey Hybrid Corn Co., Inc.	Gilman
Garnett-Ross Hybrids	Garnett-Ross, Inc.	6024 Southport Dr., Bethesda, Maryland
Gutwein Hybrids	Fred Gutwein & Sons, Inc.	Francesville, Indiana
Hoblit Hybrids	Hoblit Seed Farms	Atlanta
Holden Hybrids	Holden Foundation Hybrids	Williamsburg, Iowa
Hughes Hybrids	Hughes Hybrids, Inc.	Woodstock
I.F.S. Hybrids	Illinois Foundation Seeds, Inc.	Box 722, Champaign
Lester Pfister Hybrids	Pfister Hybrid Corn Co.	El Paso
Lewis Hybrids	Frank W. Lewis & Son Seed Farms	Ursa
McAllister Hybrids	McAllister Seed Farms	Mount Pleasant, Iowa
McCurdy Hybrids	W. O. McCurdy & Sons	Fremont, Iowa
McNair Hybrids	McNair Seed Co.	P.O. Box 706, Laurinburg, North Carolina
Migro Hybrids	Midwest Seed Growers Association, Inc.	Mitchell, Indiana
Moews Hybrids	Moews Seed Co.	Granville
Muncy Chief Hybrids	Muncy Chief Hybrids	Muncy, Pennsylvania
O's Gold Hybrids	O's Gold Seed Co., Inc.	R.R. 2, Parkersburg, Iowa
P.A.G. Hybrids	P.A.G. Seeds	Northstar Station, Minneapolis, Minnesota
Pioneer Hybrids	Pioneer Hi-Bred Corn Co. of Illinois	Princeton
Porter-Hosteller Hybrids	Porter-Hosteller Seed Co.	Wilmington, Ohio, and Deer Grove
Prairie Stream Hybrids	Prairie Stream Farm, Inc.	Frankfort, Indiana
Pride Hybrids	Pride Co., Inc.	Glen Haven, Wisconsin
Princeton Hybrids	Princeton Farms	Box 319, Princeton, Indiana
Renk Hybrids	Wm. F. Renk & Sons Co., Inc.	Sun Prairie, Wisconsin
Schenk's Hybrids	Charles H. Schenk & Sons, Inc.	Vincennes, Indiana
Stewart Hybrids	Stewart Hybrids, Inc.	Princeville
Stull Hybrids	Stull Brothers, Inc.	Sebree, Kentucky
Super-Crost Hybrids	Edw. J. Funk & Sons	Kentland, Indiana
Taylor-Evans Hybrids	Taylor-Evans Seed Co.	Tulia, Texas
Todd Hybrids	Todd Hybrid Corn Co.	Burlington, Indiana
Tracy Hybrids	Tracy & Son Farms, Inc.	R.R. 1, Janesville, Wisconsin
Trisler Hybrids	Trisler Seed Farms, Inc.	Fairmount
Trojan Hybrids	Trojan Seed Co.	Box 367, Windfall, Indiana
Van Horn Hybrids	Van Horn Hybrids, Inc.	Cerro Gordo
Victor Hybrids	Polo Seed Co.	Polo
Whisnand Hybrids	Whisnand Hybrid Corn Co.	R.R. 3, Arcola

Table 3.—Extreme Northern Illinois: Woodstock (Planted at 18,000 plants per acre in 40-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO UC 1901.....	N		129			20.0			99			18000			6	
ACCO UC 2301.....	N		142			21.5			100			17333			13	
ACCO UC 3300.....	T	T	145	117	131	23.7	22.3	24.9	99	86	100	17333	17333	18000	0	20
ACCO UC 3301.....	N		152			19.3			100			16833			13	
ACCO UC 3501.....	N		137			20.4			100			16000			6	
ACCO UC 4561.....	N		129			23.3			100			18000			3	
AINSWORTH X-2.....	N		157			18.6			100			18000			20	
AINSWORTH X-2A.....	N		123			23.7			99			18000			16	
AINSWORTH X-26.....	N		128			19.7			100			16166			10	
CORNELIUS SX36A.....	N	8	137	125		21.8	23.6		98	85		17666	18000		6	13
CORN KING 1122.....	N	8	133	127	130	20.1	23.1	23.7	98	88	100	18000	18000	18000	16	10
HUGHES EXP. 62.....	N		138			19.4			100			17166			10	
HUGHES SLX20A.....	N	T	139	111		19.8	22.2		99	88		18000	17833		3	20
HUGHES SLX20.....	N	T	139	116	109	21.9	22.7	24.3	100	84	99	17666	17666	18000	13	16
HUGHES SLX27.....	N	T	130	135	143	21.2	21.3	26.0	100	83	99	17333	18000	18000	6	10
HUGHES SLX317.....	N		130			24.4			100			17833			6	
MOEWS M3320.....	N		141			21.4			100			18000			10	
MOEWS M3337.....	N		141			22.1			100			17833			3	
MOEWS SM220.....	N	N	160	141	121	22.4	20.4	21.9	100	90	99	18000	17666	18000	0	11
MOEWS SM229.....	N	T	134	112	119	21.7	22.9	23.6	100	87	100	17500	18000	18000	6	20
MOEWS SM332.....	N		139			22.6			98			17333			6	
PIONEER 3388.....	N		134			21.6			100			18000			16	
PIONEER 3505.....	N	U	134	141	130	19.5	23.8	27.6	100	84	99	17000	17833	18000	16	10
PIONEER 3518.....	N		135			21.7			100			18000			13	
PIONEER 3571.....	N	8	136	120	139	20.3	23.3	27.7	100	91	99	15500	18000	18000	3	13
PIONEER 3773.....	N	8	145	128	127	21.3	22.6	24.6	100	93	99	17666	18000	18000	6	6
PIONEER 7049.....	N		135			20.5			98			17166			3	
PIONEER X7648A.....	N	8	145	132		23.6	24.6		100	87		18000	18000		10	5
PIONEER X7650A.....	N		119			21.3			100			18000			3	
PIONEER X7651.....	N		138			20.7			99			18000			10	
PIONEER X8758.....	N	N	137	136		22.4	26.0		100	96		16833	17500		10	2
PRIDE R-450.....	N		155			21.4			98			17833			16	
PRIDE R-501.....	N		141			21.9			100			18000			6	
PRIDE R-522.....	N		141			21.9			100			17666			6	
RENK R282.....	T		141			22.4			100			17000			3	
RENK RK44.....	8		139			21.6			100			17833			6	
SUPER-CROST 2772.....	N		134			21.3			100			18000			6	
SUPER-CROST 4242.....	N		140			23.4			100			17500			6	
SUPER-CROST S25.....	N		127			22.3			100			16666			6	
SUPER-CROST S27.....	N	T	141	118		22.2	22.8		100	86		17833	18000		3	16
SUPER-CROST S41.....	N		136			20.3			99			17500			6	
SUPER-CROST S63.....	N		155			21.8			100			18000			10	
TAYLOR-EVANS MARKETMAKER.....	T		148			19.0			100			17666			13	
TAYLOR-EVANS TIMEMASTER.....	T		142			18.8			100			17666			3	
TRACY T206SX.....	N	T	146	117		21.7	22.4		98	87		17333	17833		16	20
TRACY T296SX.....	N		135			20.4			98			18000			3	
AVERAGE OF 1971 ENTRIES.....			139			21.3			99			17500			9	
L. S. D.....			N.S.			N.S.			N.S.			N.S.			N.S.	
C. V.....			11													



Table 4. — Northern Illinois: DeKalb (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT.	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		166			28.4			100			17555			0	
ACCO UC 3301.....	N		137			25.2			93			18000			3	
ACCO UC 4601.....	N		135			25.6			98			17777			0	
ACCO UC 5200.....	T	T	163	126	129	27.9	22.2	33.1	96	77	100	17777	18000	18008	3	21
ACCO UC 5301.....	N		156			28.3			96			18000			0	
ACCO UC 5801.....	N		153			25.1			98			17777			3	
ACCO UC 8500.....	T	T	150	152		26.5	22.7		100	62		17333	17777		3	11
AINSWORTH X-2.....	N		158			31.2			100			17777			3	
AINSWORTH X-2A.....	N		146			27.3			94			17555			0	
AINSWORTH X-26.....	N		170			27.0			98			18000			3	
BLANEY R-55A.....	N		158			19.8			98			17555			13	
BLANEY BX-AA.....	N		164			22.7			98			18000			0	
BLANEY DOUBLE A.....	N	T	142	80	120	24.5	21.6	24.9	95	69	100	18000	18000	17973	3	28
CORNELIUS 383X.....	T	T	146	125		27.1	22.4		100	59		17555	18000		6	10
CORNELIUS C66SX.....	N		142			28.1			100			18000			0	
CORNELIUS SX36A.....	N		162			26.4			94			17777			0	
CORN KING 2300.....	T		149			24.8			100			18000			3	
HUGHES EXP. 5.....	N		128			24.2			97			18000			0	
HUGHES EXP. 30.....	N		141			27.7			96			18000			0	
HUGHES EXP. 62.....	N		120			28.9			98			17777			3	
HUGHES SLX27.....	N	T	129	92	120	22.9	20.5	26.9	98	39	100	17111	17111	17976	13	16
MIGRO M-0501.....	N		150			28.0			100			16666			0	
MIGRO M-1010SX.....	N	T	163	118	132	25.9	21.3	23.7	93	65	100	17555	17555	18028	0	20
MOEWS M3320.....	N	N	156	116		24.1	23.3		97	64		18000	18000		0	5
MOEWS M3337.....	N		135			22.4			95			18000			3	
MOEWS SM220.....	N	N	150	129		21.3	19.4		100	78		17111	17900		10	17
MOEWS SM229.....	N	T	156	95	130	25.5	21.4	25.5	100	73	100	17555	15777	17584	0	28
MOEWS SM332.....	N		152			23.8			100			17555			3	
O'S GOLD SX3104.....	N		140			26.3			97			18000			6	
PIONEER 3376.....	N	B	141	137	134	29.2	24.5	34.9	100	75	100	18000	18000	18042	0	8
PIONEER 3388.....	N		164			29.0			100			17111			3	
PIONEER 3390.....	N		151			26.5			98			18000			0	
PIONEER 3505.....	N	U	162	120	122	27.4	22.1	26.6	97	79	100	16888	16444	17985	0	16
PIONEER 3516.....	N	B	140	69		27.7	20.4		96	25		18000	18000		0	50
PIONEER 3518.....	N		135			27.1			96			17777			0	
PIONEER 3571.....	N	8	153	106	141	26.7	21.5	30.0	100	74	100	18000	18000	17928	0	16
PIONEER 3773.....	N	8	119	111		23.3	22.3		98	73		18000	16888		23	15
PIONEER X2066.....	N	N	169	136	126	25.2	21.1	31.7	100	92	100	18000	18000	17527	0	5
PIONEER X8758.....	N	N	155	149		28.5	22.2		98	92		17555	16888		0	3
PRIDE R-450.....	N		170			24.8			98			17777			0	
PRIDE R-540.....	N		155			24.7			96			17555			0	
PRIDE R-601.....	N		158			26.3			100			17777			0	
RENK R282.....	T		139			24.1			96			18000			6	
RENK RK44.....	B		155			23.1			97			18000			0	
TAYLOR-EVANS MARKETMAKER.....	T		134			23.5			96			17777			10	
TAYLOR-EVANS TIMEMASTER.....	T		130			22.6			96			17555			6	
TROJAN TXS 102.....	N	N	172	125		23.8	22.8		98	73		18000	16888		10	8
TROJAN TXS 103.....	N	T	165	115		21.4	20.7		100	86		17555	16666		3	13
TROJAN TXS 104.....	N	N	159	124		26.1	22.6		100	80		18000	16666		3	10
TROJAN TXS 107.....	N	N	147	126		24.7	22.0		100	87		17333	17777		0	6
TROJAN TXS 108.....	N	N	137	121		26.2	22.2		95	81		18000	17777		0	13
TROJAN TXS 112.....	N		163			27.4			100			17333			3	
TROJAN TXS 113.....	N		186			30.9			100			17555			0	
AVERAGE OF 1971 ENTRIES.....			151			26.0			98			17700			3	
L. S. D.....			33			2.4			N.S.			N.S.			7	
C. V.....			11													



Table 4a. — Northern Illinois: DeKalb, Increased Planting Rate (Planted at 24,000 plants per acre in 30-inch rows)

Brand and Variety	Cytoplasmic Type		Total Yield Bu./Acre			Grain Moisture Percent			Erect Plants Percent			Plants per Acre			Blight Percent	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		108			30.5			100			23777			0	
ACCO UC 3300.....	T	T	131	139	136	25.6	20.8	25.6	98	40	93	24000	23555	24121	6	20
ACCO UC 3301.....	N		169			25.8			97			23333			3	
ACCO UC 3501.....	N		109			26.9			100			23333			0	
ACCO UC 3601.....	N		150			28.3			100			24000			0	
ACCO UC 5200.....	T	T	145	135	127	30.3	22.5	31.1	100	53	86	24000	22888	22772	6	20
ACCO UC 5301.....	N		136			30.5			99			24000			0	
AINSWORTH X-2.....	N		150			31.7			100			23777			0	
AINSWORTH X-7348.....	N	B	155	135		27.2	21.8		99	74		24000	19555		0	10
ASGROW ASX58.....	N		145			25.6			100			24000			6	
ASGROW RX60.....	N		153			22.7			97			24000			0	
BLANEY B-701.....	N		155			28.7			100			24000			0	
BLANEY DOUBLE A.....	N	T	145	134	128	24.1	21.6	24.0	100	42	83	23333	23111	23939	3	23
BLANEY BX-AA.....	N		169			25.3			100			24000			0	
BO-JAC X15E.....	N		173			23.5			100			23555			0	
BO-JAC X35.....	N	T	159	125		28.7	20.6		100	30		23333	24000		3	23
CODP S-201.....	T		130			24.2			100			22000			16	
CORNELIUS C66SX.....	N		146			29.9			100			23333			0	
CORNELIUS SX36A.....	N	B	160	122		27.0	21.7		100	65		23111	22666		0	18
FARMERS UNION 004.....	N	T	170	106	137	25.0	20.6	28.2	100	44	94	24000	24000	24015	0	25
FARMERS UNION 2175.....	N	T	156	138		23.6	20.4		100	73		24000	24000		3	21
HOLDEN 1001.....	N	N	164	160		23.7	20.2		98	84		23777	23555		0	5
HUGHES SLX6.....	N	T	120	92	140	21.3	20.0	20.1	99	54	91	23555	22000	24030	13	43
HUGHES SLX8.....	N	T	139	107	131	23.2	20.1	21.3	100	61	90	24000	21555	23707	3	21
HUGHES SLX17.....	N		154			24.6			100			23333			0	
HUGHES SLX 29.....	N		149			23.3			100			24000			3	
HUGHES SLX20.....	N	T	163	126	140	24.4	21.5	22.0	100	60	89	23777	22222	23429	0	23
MCALLISTER SX7032.....	N		150			28.1			99			24000			3	
MCALLISTER SX7066.....	N		173			24.8			99			24000			0	
MIGRO M-0501.....	N		155			30.6			99			23777			0	
MIGRO M-1010SX.....	N	T	156	119	155	25.2	21.7	21.5	98	43	90	22888	24000	23903	0	23
MOEWS M3337.....	N		146			22.0			100			23555			3	
MOEWS SM220.....	N	N	154	147	151	21.1	20.0	17.9	100	64	96	23777	22666	23909	16	25
MOEWS SM229 .....	N	T	144	131	131	25.7	22.1	24.9	100	42	83	22222	24000	23131	3	23
MOEWS SM331.....	N		149			25.4			99			24000			3	
MOEWS SM332.....	N	T	153	146	141	24.7	20.4	23.2	100	75	90	23777	21555	23474	0	8
O'S GOLD SX1101.....	N		166			23.9			99			24000			0	
O'S GOLD SX2101.....	N		157			24.2			97			23777			0	
O'S GOLD SX3104.....	N		161			27.1			97			23555			0	
O'S GOLD SX3200.....	N		154			28.4			100			23777			0	
LESTER-PFISTER 14.....	N		136			29.0			97			22444			3	
LESTER-PFISTER 15.....	N		140			26.2			99			24000			0	
LESTER-PFISTER 17.....	N		129			26.9			100			24000			0	
LESTER-PFISTER 19.....	N		169			27.3			99			24000			0	
LESTER-PFISTER 27.....	N		154			26.3			100			23555			3	
PIONEER 3376 .....	N		146			29.4			100			24000			0	
PIONEER 3388.....	N		155			27.3			100			24000			0	
PIONEER 3390.....	N	B	169	125	154	26.2	21.9	28.3	100	65	89	24000	22222	24070	0	16
PIONEER 3505.....	N		155			28.7			100			24000			0	
PIONEER 3516.....	N	B	151	114		28.1	19.4		100	36		24000	21777		0	50
PIONEER 3518.....	N		176			28.6			100			24000			0	
PIONEER 3571.....	N	B	147	129	139	27.8	20.6	30.4	100	70	96	23777	23777	24121	0	16
PIONEER 3773.....	N		116			23.1			100			22222			13	
PIONEER X2066.....	N	N	147	118	152	25.6	22.1	28.5	100	90	93	24000	23777	24050	0	8
PIONEER X8758.....	N	N	163	168		27.3	21.4		100	87		23333	22222		0	5
PORTER-HOSTELLER EX44.....	N		148			25.1			100			24000			0	
PORTER-HOSTELLER EX51.....	N		142			25.6			100			24000			0	
PRAIRIE STREAM GOLDEN CROSS SX18.....	N	T	150	144		28.2	21.3		99	53		23333	23111		0	20
PRAIRIE STREAM GOLDEN CROSS SX3.....	N		145			26.1			100			24000			0	
PRIDE R-450.....	N		145			25.6			100			24000			3	
PRIDE R-540.....	N		145			27.3			100			23777			0	
PRIDE R-601.....	N		134			28.4			100			24000			0	
RENK R282.....	T		143			25.9			99			24000			13	
RENK RK44.....	B	T	157	104		23.0	21.1		100	65		23555	23777		0	25
SUPER-CROST 503.....	N		142			27.0			100			23333			0	
SUPER-CROST 2552.....	N		156			24.5			100			23555			3	
SUPER-CROST 2772.....	N		153			26.2			99			24000			0	
SUPER-CROST 4242.....	N		149			26.6			99			22666			3	
SUPER-CROST S25.....	N		159			24.3			98			23111			0	
SUPER-CROST S27.....	N	T	155	139	141	25.3	21.3	23.7	99	68	87	22666	23555	22858	3	23
SUPER-CROST S28.....	N		153			27.3			99			24000			0	
SUPER-CROST S41.....	N		157			28.3			100			24000			0	
SUPER-CROST S63.....	N		156			27.4			99			22000			0	
SUPER-CROST S65.....	N	B	121	114		29.8	23.5		99	84		24000	23555		0	6
TODD M30.....	N	T	159	121	136	25.6	21.5	26.9	99	53	92	24000	22888	23904	0	26
TODD M55.....	N		135			25.0			100			24000			0	
TRACY T206SX.....	N	T	165	105	146	26.2	21.1	23.3	100	59	94	24000	22222	23298	0	26
TRACY T209SX.....	N	T	164	115		27.8	20.1		98	59		24000	22666		0	23
VICTOR 150A-VS.....	N		154			25.3			99			23111			20	
VICTOR 165-VS.....	N		168			23.0			100			24000			0	
VICTOR 200-VS.....	N		148			25.7			97			24000			0	
AVERAGE OF 1971 ENTRIES.....			151			26.3			99			23700			2	
L. S. D.....			46			2.0			N.S.			N.S.			10	
C. V.....			12													

Table 5. — West North-Central Illinois: Galesburg (Planted at 18,000 plants per acre in 28-inch rows)

BRAND AND VARIETY	CYTOPLASMIC		TOTAL YIELD			GRAIN MOISTURE			ERECT PLANTS			PLANTS PER ACRE			BLIGHT	
	TYPE		BU./ACRE			PERCENT			PERCENT			PER ACRE			PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		140			21.8			100			18000				26
ACCO UC 5801.....	N		134			23.5			96			18000				13
ACCO UC 8500.....	T	T	136	141		21.6	20.0		97	85		18000	18000		16	23
ACCO UC 8851.....	N		139			21.4			97			18000			23	
AINSWORTH X-4.....	N		147			23.6			98			18000			3	
AINSWORTH X-19.....	N		134			24.1			97			18000			6	
AINSWORTH X-20.....	N		152			22.7			98			18000			0	
AINSWORTH X-86.....	N		173			21.5			96			18000			10	
AINSWORTH X-7178.....	N		159			21.6			98			18000			10	
ASGROW ASX92.....	N		150			22.5			100			18000			6	
ASGROW IXL9.....	N		150			24.9			100			18000			3	
ASGROW RX100.....	N		136			22.3			93			18000			13	
BEAR UNICORN 640.....	N		151			22.0			98			18000			3	
BEAR UNICORN 650.....	N		131			21.0			95			18000			10	
BEAR UNICORN 860.....	N		169			25.8			100			18000			3	
BEAR UNICORN 872.....	N	N	151	179	200	23.9	22.9	22.7	97	95	98	18000	18000	18019	3	6
CORN KING 1155.....	N		124	133	156	22.9	21.2	22.6	100	96	95	18000	18000	18019	6	10
EMBRO JUPITER.....	N		135			22.7			98			18000			6	
EMBRO PLOWBOY.....	N		128			24.7			100			17333			3	
EMBRO VENUS.....	N		135			23.3			98			18000			3	
EMBRO X-3M.....	N		143			24.9			93			18000			3	
EMBRO X-4.....	N		156			28.2			100			18000			0	
MC ALLISTER SX6584.....	N	N	131	142		23.5	20.7		96	92		18000	18000		0	16
MCALLISTER SX6837.....	N	T	146	133		28.4	22.4		97	90		18000	18000		3	23
MIGRO M-0501.....	N		148			21.0			100			18000			16	
MOEWS M4421.....	N		168			22.1			98			17777			6	
MOEWS M5521.....	N		137			23.2			97			18000			3	
MOEWS M8281.....	N	N	159	181	194	24.9	24.3	25.7	95	87	89	18000	18000	17794	10	8
MOEWS SM327A.....	N		135			19.9			86			18000			13	
MOEWS SM721.....	N	T	143	121		26.2	20.4		98	89		18000	16666		0	23
O'S GOLD SX2200.....	N		130			17.0			93			18000			43	
O'S GOLD SX5500.....	N		141			26.6			100			18000			0	
PIONEER 3304.....	N		141			24.3			97			17777			6	
PIONEER 3334.....	N	N	151	157		21.4	20.7		97	88		18000	18000		6	6
PIONEER 3369A.....	N	B	154	168	186	24.2	22.0	22.2	100	86	94	17555	18000	17980	3	20
PIONEER 3376 .....	N	B	160	125	207	20.7	19.7	19.6	97	88	98	18000	18000	18022	20	23
PIONEER 3388.....	N		137			21.6			96			18000			26	
PIONEER 3390.....	N		128			21.6			93			18000			10	
PIONEER 3505.....	N	U	145	138	163	21.3	18.8	17.9	96	86	94	18000	15777	17983	13	20
PIONEER 3516.....	N		134			22.0			97			18000			6	
PIONEER 3571.....	N	B	146	132	164	19.1	20.3	18.5	100	85	93	18000	18000	17993	10	23
PIONEER X6618.....	N		170			22.0			98			17555			13	
RENK RK44.....	B		130			14.9			96			18000			66	
STEWART EXP. 1416.....	N		129			26.6			100			18000			0	
AVERAGE OF 1971 ENTRIES.....			143			22.7			98			17900			12	
L. S. D.....			N.S.			3.0			9			N.S.			15	
C. V.....			14													

(Planted at 24,000 plants per acre in 28-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCD U 378.....	N		129			21.4			95			23777			16	
ACCD UC 8800.....	T	T	142	153	197	22.1	20.2	19.9	92	87	95	24000	22222	23926	20	23
ACCD UC 8801.....	N		141			21.5			93			24000			10	
ACCD UC 8851.....	N		146			21.0			94			24000			16	
ASGROW RX60.....	N		141			15.3			97			24000			56	
ASGROW RX70.....	B		126			20.2			90			24000			20	
BEAR UNICORN 640.....	N		137			21.1			90			24000			6	
BEAR UNICORN 650.....	N		133			22.2			88			24000			3	
BEAR UNICORN 860.....	N		135			24.3			100			24000			10	
BEAR UNICORN 872.....	N	N	155	142	196	23.3	23.2	20.4	93	97	85	24000	20888	23277	3	20
BLANEY DOUBLE A.....	N		145			18.1			100			22888			30	
BLANEY BX-AA.....	N		152			15.8			95			24000			40	
BO-JAC X15E.....	N	B	140	155		15.7	17.9		94	90		24000	23333		30	36
BO-JAC X35.....	N	T	148	147		21.1	18.2		96	81		24000	19555		3	46
BO-JAC X37.....	N		158			22.8			98			23555			16	
BO-JAC X51.....	N		162			20.1			96			23111			6	
BO-JAC X53.....	N		138			22.2			95			24000			10	
CDOP S-304.....	N	N	128	130		21.9	20.3		84	98		24000	22888		16	15
DOCKENODRFF 3071.....	N		147			18.4			98			24000			20	
DOCKENODRFF D14.....	N		153			21.6			98			24000			6	
DOCKENODRFF D17.....	N	T	164	136	187	29.2	20.7	22.0	99	92	92	24000	22666	23678	10	21
HOLDEN 1003.....	N	N	142	162		21.5	20.4		94	93		24000	20888		16	25
HOLDEN 1006.....	N	N	147	150		19.3	18.4		93	89		24000	22888		30	36
HOLDEN 1008.....	N		172			22.9			95			24000			6	
HUGHES EXP. 30.....	N		151			20.5			89			24000			16	
HUGHES SLX29.....	N		138			15.8			96			24000			46	
HUGHES SLX40A.....	N		155			28.3			100			24000			6	
LEWIS X21.....	N		151			19.3			91			24000			16	
MC ALLISTER SX6584.....	N	N	144	119		22.6	20.7		98	92		23777	23111		3	11
MCALLISTER SX6837.....	N	T	168	137		27.6	21.7		95	92		23333	23333		6	23
MCALLISTER SX7001.....	N		128			21.5			96			23333			6	
MCALLISTER SX7066.....	N		127			15.5			89			24000			26	
MCALLISTER SX7075.....	N		161			20.9			97			24000			6	
MCALLISTER SX7196.....	N		146			24.6			98			24000			0	
MCALLISTER SX7047.....	N		125			18.5			92			24000			13	
MIGRO M-0501.....	N		141			21.4			93			24000			13	
MOEWS M6391.....	N	T	159	99	208	27.0	18.3	18.5	94	90	91	24000	21777	23928	3	46
MOEWS M7372.....	N		133			24.1			96			22888			3	
MOEWS SM327A.....	N		150			22.3			97			24000			6	
MOEWS SM429.....	N	T	149	102		22.7	18.5		95	81		23777	23111		10	36
MOEWS SM520.....	N	T	143	122		20.8	20.3		93	84		24000	21777		6	30
O'S GOLD SX1101.....	N		136			17.5			92			23777			23	
O'S GOLD SX2101.....	N		135			16.8			92			24000			43	
O'S GOLD SX3104.....	N		136			21.3			88			24000			6	
O'S GOLD SX3200.....	N		145			21.6			93			24000			6	
O'S GOLD SX5500.....	N		158			28.1			96			24000			3	
PIONEER 3222.....	N		160			22.9			98			23333			10	
PIONEER 3334.....	N		171	175		24.2	20.9		97	93		23777	22222		6	5
PIONEER 3369A.....	N	B	144	136	213	22.8	20.7	20.9	95	82	94	24000	23333	22931	6	43
PIONEER 3376.....	N	B	133	198	207	22.4	20.3	18.5	96	93	98	24000	20000	23728	10	18
PIDNEER 3387.....	N	U	141	157	194	22.4	19.8	19.0	100	94	94	24000	23333	24032	0	43
PIONEER 3388.....	N	B	146	142		21.1	20.2		92	88		24000	22222		20	33
PIONEER 3390.....	N	B	156	142	185	19.8	18.7	17.6	88	90	97	24000	21111	23521	23	30
PIONEER 3516.....	N		146			21.8			97			24000			10	
PIONEER 3571.....	N	B	136	137	188	18.8	18.0	18.2	92	91	96	24000	22888	23137	26	33
PIONEER X6618.....	N		137			25.3			97			23777			3	
PRAIRIE STREAM GOLDEN CROSS SX18.....	N	T	130	116		19.3	18.2		86	85		24000	21333		16	30
RENK RK44.....	B	T	143	93		14.5	17.9		96	77		23777	23333		40	56
STEWART SX71-1.....	N		129			25.1			100			24000			0	
STEWART SX72.....	N		131			20.3			98			24000			16	
SUPER-CROST 503.....	N		138			20.6			98			24000			3	
SUPER-CROST 4242.....	N		143			20.8			95			24000			13	
SUPER-CROST 7772.....	N		159			23.3			97			24000			0	
SUPER-CROST S63.....	N		156			18.7			99			23777			40	
SUPER-CROST S65.....	N	B	133	163		21.9	20.5		97	91		24000	21555		6	18
SUPER-CROST S69.....	N	B	143	92	175	22.3	19.0	20.8	100	95	93	24000	21333	23148	16	26
TRACY T206SX.....	N		139			18.9			94			24000			13	
TRACY T209SX.....	N		153			20.5			94			24000			10	
TROJAN TXS 102.....	N	N	143	121		16.2	18.7		94	85		24000	23333		36	43
TROJAN TXS 107.....	N	N	129	144		18.6	18.5		98	89		24000	23333		10	20
TROJAN TXS 112.....	N	T	150	82		22.4	18.9		96	84		22444	21777		16	36
TROJAN TXS 113.....	N		168			24.2			94			24000			10	
TROJAN TXS 118.....	N		152			24.1			97			23555			10	
TROJAN TX 119.....	N		168			27.1			96			24000			3	
AVERAGE OF 1971 ENTRIES.....			142			21.5			95			23900			15	
L. S. D.....			31			2.5			N.S.			N.S.			23	
C. V.....			13													



Table 6. — East North-Central Illinois: Elwood, Increased Planting Rate<sup>a</sup>  
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		124			23.4			100			23333			3	
ACCO UC 8851.....	N		91			26.9			98			24000			6	
ACCO UC 8900.....	T	T	100	130		25.9	24.3		98	83		23333	24000		3	0
ACCO UC 9101.....	N		133			26.5			100			24000			0	
AINSWORTH X-5.....	T		116			24.3			98			24000			3	
AINSWORTH X-20A.....	N		155			27.3			100			24000			0	
AINSWORTH X-86.....	N		112			27.4			100			24000			3	
AINSWORTH X-8493.....	N	B	123	118	141	27.5	23.2	24.0	99	88	89	22444	24000	24000	3	0
ASGROW RY60.....	N		146			20.1			100			24000			13	
BLANEY DOUBLE A.....	N		126			21.6			100			24000			20	
BLANEY BX-AA.....	N		129			19.3			99			24000			16	
FREY F60.....	N		123			25.8			100			24000			3	
GUTWEIN 125.....	N		109			22.4			100			24000			0	
GUTWEIN 40.....	N		137			20.7			98			24000			16	
GUTWEIN 69A.....	N	B	132	119		23.0	21.4		97	85		22222	24000		10	0
GUTWEIN 70A.....	N		120			24.7			99			22000			6	
HUGHES FXP. 30.....	N		119			23.9			100			23333			3	
HUGHES SLX20.....	N	T	117	100		21.8	20.2		100	78		23777	23111		20	0
HUGHES SLX29.....	N		130			19.4			98			22666			23	
MC ALLISTER SX6584.....	N		122			28.2			100			24000			0	
MCALLISTER SX6837.....	N	T	134	127		27.5	25.8		100	87		23333	24000		3	0
MCALLISTER SX7001.....	N		104			24.7			100			24000			0	
MCALLISTER SX7032.....	N		155			23.6			100			23333			6	
MCALLISTER SX7047.....	N		105			22.0			98			22666			6	
MCALLISTER SX7066.....	N		122			20.8			100			21333			6	
MDEWS M4421.....	N		105			27.7			100			22888			6	
MDEWS M6391.....	N		136			30.2			99			24000			0	
MDEWS SM229.....	N	T	138	118		21.3	21.2		100	87		24000	23111		20	0
MDEWS SM327.....	N	T	135	102	136	28.9	21.6	21.5	100	89	88	24000	24000	23777	0	0
MDEWS SM429.....	N	T	127	107		28.2	22.3		98	77		23111	23777		0	0
PIONEER 3334.....	N	N	154	141		26.8	23.6		100	97		23555	24000		6	0
PIONEER 3369A.....	N	B	118	85	127	24.7	24.3	27.4	100	63	89	23333	24000	23777	0	0
PIONEER 3376.....	N	B	122	112	138	24.9	23.3	23.3	100	77	88	24000	23777	24000	6	0
PIONEER 3388.....	N	B	146	155		25.2	23.3		99	99		24000	24000		3	0
PIONEER 3390.....	N		111			23.3			100			24000			3	
PIONEER 3505.....	N		119			21.6			100			23111			10	
PIONEER 3516.....	N	B	124	82		24.0	19.8		100	83		24000	24000		0	0
PIONEER 3571.....	N	B	112	123	135	25.3	21.4	22.9	100	93	93	24000	24000	23555	3	0
PIONEER X1319.....	N		147			25.9			100			23333			3	
PIONEER X6618.....	N		113			27.5			100			22444			0	
PRIDE R-601.....	N		110			22.3			95			22000			13	
PRIDE R-728.....	N		119			20.7			90			24000			13	
PRIDE R-771.....	N		92			23.2			98			22888			10	
PRIDE R-810.....	N		97			25.8			99			23555			6	
PENK RK44.....	B		126			19.2			100			24000			20	
SUPER-CROST 4242.....	N		116			25.0			100			23111			6	
SUPER-CROST 525.....	N		115			21.2			100			24000			10	
SUPER-CROST 527.....	N	T	130	113		20.7	21.0		99	88		23555	24000		23	0
SUPER-CROST 528.....	N		134			22.5			99			24000			10	
SUPER-CROST 565.....	N	B	89	121		25.1	23.5		100	82		24000	24000		0	0
SUPER-CROST 569.....	N	B	90	105	137	27.0	23.5	23.4	100	87	91	23555	23111	24000	10	0
TAYLOR-EVANS CASHMAKER.....	T		125			24.9			97			23111			6	
TAYLOR-EVANS MASTERMAKER.....	T		119			26.7			100			16444			0	
TAYLOR-EVANS MINTMAKER.....	T		118			23.7			100			24000			0	
TROJAN TXS 102.....	N	N	142	115		19.7	21.2		100	93		23333	24000		26	0
TROJAN TXS 104.....	N	N	131	123		21.0	21.2		100	93		23777	24000		23	0
TROJAN TXS 107.....	N	N	119	92		20.1	20.8		100	91		24000	24000		10	0
TROJAN TXS 108.....	N	N	148	121		21.6	20.7		100	90		23333	23555		6	0
TROJAN TXS 112.....	N	T	110	106		25.0	23.1		98	95		23333	17333		3	0
TROJAN TXS 113.....	N		129			26.4			99			24000			0	
VAN HORN CAP 43.....	N	N	131	108	128	27.8	24.6	23.8	96	84	77	22000	24000	23111	0	0
AVERAGE OF 1971 ENTRIES.....			123			24.1			99			23400			8	
L. S. D.....			42			2.1			4			2100			11	
C. V.....			17													

<sup>a</sup> Drouth caused premature dying of corn at the Elwood field and prevented reliable leaf-blight ratings in 1970.



Table 7.—West-Central Illinois: Augusta (Planted at 18,000 plants per acre in 38-inch rows)

Brand and Variety	Cytoplasmic Type		Total Yield Bu./Acre			Grain Moisture Percent			Erect Plants Percent			Plants per Acre			Blight Percent	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		141			20.1			97			18000				30
ACCO U 384.....	N		171			20.3			99			18000				23
ACCO UC 8851.....	N		143			20.5			98			17500				33
AINSWORTH X-4.....	N		118			21.5			88			17000				13
AINSWORTH X-19A.....	N		156			24.0			98			16833				13
AINSWORTH X-20.....	N		166			21.6			99			18000				13
AINSWORTH X-20A.....	N		174			21.8			96			18000				10
AINSWORTH X-86.....	N		156			22.6			98			18000				16
ASGRDW ASX92.....	N		144			22.6			95			18000				16
ASGRDW IXL9.....	N	N	156	102	105	24.4	27.7	30.7	97	99	92	17666	18000	18000	16	8
ASGRDW RX100.....	N		157			22.0			95			18000				13
BEAR UNICORN 640.....	N		150			20.6			93			17500				16
BEAR UNICORN 650.....	N		160			20.4			98			18000				13
BEAR UNICORN 860.....	N		157			21.9			94			17333				6
BEAR UNICORN 872.....	N	N	155	107	99	23.5	26.5	27.8	97	91	88	17833	18000	18000	13	5
BD-JAC X1-83.....	N	B	149	104		21.9	24.5		100	94		18000	17166		16	16
BD-JAC X7L.....	N	B	162	98	92	22.8	24.4	28.9	99	90	91	18000	17000	18000	23	25
BD-JAC X9.....	N	N	158	107	104	21.1	26.4	26.4	97	96	91	15833	18000	18000	23	33
BD-JAC X51.....	N	B	173	105		20.0	22.5		95	87		17833	17500		26	8
BD-JAC X53.....	N	B	161	105		20.5	24.0		99	100		18000	17000		13	5
BD-JAC X55.....	N		202			21.2			94			18000				16
LEWIS X28.....	N		156			18.2			98			17333				26
LEWIS X58B.....	N		167			20.5			99			18000				16
LEWIS X78.....	N		162			23.4			99			18000				23
MC ALLISTER SX6584.....	N	N	159	104		20.1	27.2		97	98		18000	16666		23	6
MCALLISTER SX6837.....	N	T	156	92		24.0	25.5		100	88		17500	16500		20	23
MCALLISTER SX7001.....	N		169			20.5			96			18000			20	
MCALLISTER SX7066.....	N		159			18.0			97			17833			36	
MCALLISTER SX7196.....	N		155			22.1			99			17333			20	
MCCURDY MSX66A.....	N		151			21.4			98			18000			16	
MCCURDY MSX88.....	N		163			23.1			98			18000			16	
MOEWS M8281.....	N	N	166	110	98	24.4	28.4	30.7	90	92	90	17500	16833	18000	13	8
MOEWS M8820.....	N		152			22.8			91			18000			20	
MOEWS SM429.....	N		173			20.4			98			18000			20	
MOEWS SM721.....	N	T	170	97		23.3	24.7		96	85		18000	14333		16	23
PIONEER 3222.....	N		178			21.4			99			18000				10
PIONEER 3334.....	N	N	190	126		21.4	26.2		100	89		17333	17333		10	5
PIONEER 3368.....	N		164			20.4			98			18000			13	
PIONEER 3369A.....	N	B	164	90	104	21.4	24.7	26.4	98	91	90	18000	17166	18000	20	18
PIONEER 3376.....	N	B	175	100	109	21.3	23.0	26.5	97	91	93	17000	17666	18000	26	26
PIONEER 3387.....	N	U	167	97	101	21.3	23.3	25.1	100	77	98	17333	17333	18000	20	30
PIONEER 3388.....	N	B	163	95		21.8	25.2		100	93		17666	17666		20	16
PIONEER 3390.....	N		169			19.3			99			18000			20	
PIONEER X1319.....	N	N	186	114	105	21.0	24.5	26.4	99	63	93	17500	17666	18000	13	11
PIONEER X6618.....	N		165			21.5			99			18000			16	
TRISLER T-20.....	N		159			18.3			95			17333				33
TRISLER T-890.....	N	T	155	93		18.3	20.6		97	96		16666	16333		30	63
TRISLER T-919.....	N		178			20.4			96			18000			16	
TRISLER T-934.....	N		172			23.5			98			18000			16	
TRISLER T-X-9.....	N		153			19.3			99			18000			33	
TROJAN TXS 112.....	N	T	156	97		21.4	22.0		96	95		16833	16833		13	38
TROJAN TXS 113.....	N		182			22.1			99			17833			10	
TROJAN TXS 115.....	N	N	158	137		19.3	26.4		99	94		17333	17500		30	10
TROJAN TXS 118.....	N		152			20.6			97			18000			26	
TROJAN TX 119.....	N		152			23.8			94			17000			16	
TROJAN TXS 119.....	N	T	155	89		23.0	23.0		100	96		17166	17666		23	30
AVERAGE OF 1971 ENTRIES.....			162			21.4			97			17700			19	
L. S. D.....			31			1.0			8			N.S.			10	
C. V.....			9													

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 370.....	N		129			18.8			100			23777			60	
ACCO U 378.....	N		151			19.7			99			24000			33	
ACCO UC 4601.....	N		109			17.1			99			24000			23	
ACCO UC 5301.....	N		110			19.1			100			22666			43	
ACCO UC R851.....	N		135			19.6			98			23333			26	
AINSWORTH X-19A.....	N		135			23.3			99			22666			13	
AINSWORTH X-20A.....	N		113			18.5			100			24000			16	
AINSWORTH X-86.....	N		126			21.0			100			23333			30	
AINSWORTH X-8493.....	N	B	112	128	230	21.0	21.3	19.6	100	76	94	24000	22444	23993	23	11
ANDERSON 3-W-110.....	N		137			18.0			100			24000			50	
ANDERSON AX-4.....	N		112			17.8			100			23777			73	
ANDERSON AX-5.....	N		128			18.7			100			24000			16	
BEAR UNICORN 640.....	N		120			21.9			100			23555			13	
BEAR UNICORN 650.....	N		119			20.0			100			24000			16	
BEAR UNICORN 860.....	N		120			22.3			100			24000			10	
BEAR UNICORN 872.....	N	N	128	136	211	21.5	24.3	20.5	99	60	91	24000	24000	23839	13	0
BD-JAC X7L .....	N	8	153	118		25.0	24.5		99	85		24000	24000		13	13
BD-JAC X15E.....	N		124			16.1			100			24000			90	
BD-JAC X35.....	N	T	130	123		18.6	19.0		99	80		24000	22666		53	20
BD-JAC X37.....	N		106			18.2			100			21333			76	
BD-JAC X51.....	N	8	130	144		17.3	19.9		98	74		23111	24000		43	0
BD-JAC X53.....	N	8	146	139		18.8	22.8		100	93		24000	23555		16	1
BD-JAC X77L.....	N		165			23.0			100			23555			16	
BD-JAC X84.....	N		161			21.0			99			24000			23	
COOP S-304.....	N	N	95	116		20.9	21.7		100	66		23111	23777		3	1
FARMERS UNION 2175.....	N		125			16.8			98			21111			76	
HUGHES EXP. 30.....	N		165			16.8			99			23111			56	
HUGHES SLX29.....	N		107			16.2			100			23111			93	
HUGHES SLX40A.....	N		168			24.6			99			24000			16	
MC ALLISTER SX6584.....	N		130			19.8			99			24000			13	
MCALLISTER SX7001.....	N		143			18.9			100			24000			26	
MCALLISTER SX7196.....	N		130			20.8			99			23777			10	
MIGRO M-0501.....	N		143			17.3			99			24000			46	
MIGRO M-0702.....	N		115			20.8			99			23777			10	
MIGRO M-0711.....	N		149			23.8			99							





Table 9a. — East-Central Illinois: Urbana, Increased Planting Rate  
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		137			22.2			95			24000			73	
ACCO UC 8851.....	N		124			21.9			94			24000			50	
ACCO UC 8900.....	T	T	104	127	182	21.1	26.4	26.5	89	36	91	24000	22888	24004	96	28
ACCO UC 9101.....	N		141			22.7			96			24000			40	
AINSWORTH X-19A.....	N		65			25.3			100			24000			23	
AINSWORTH X-7178.....	N		127			23.2			79			24000			40	
ANDERSON 3-W-110.....	N		144			19.0			95			24000			56	
ANDERSON AX-4.....	N		129			18.2			97			24000			73	
ANDERSON AX-5.....	N		148			21.4			97			24000			50	
ASGROW ASX92.....	N		99			24.2			94			24000			23	
ASGROW IXL9.....	N		147			25.2			98			24000			23	
ASGROW RX100.....	N		146			27.5			100			24000			6	
BEAR UNICORN 640.....	N		135			23.3			93			24000			6	
BEAR UNICORN 650.....	N		109			22.8			93			24000			23	
BEAR UNICORN 860.....	N		134			23.8			99			24000			13	
BEAR UNICORN 872.....	N	N	122	137	170	24.2	27.8	24.4	92	61	92	24000	24000	24000	26	6
BO-JAC X1-83.....	N		129			22.7			93			24000			13	
BO-JAC X7L.....	N	B	149	127	174	27.0	28.3	27.2	98	87	93	24000	24000	23998	36	10
BO-JAC X15E.....	N		122			17.5			93			24000			86	
BO-JAC X37.....	N		130			17.9			97			24000			86	
BO-JAC X43.....	N		137			22.1			88			24000			66	
BO-JAC X51.....	N		138			20.0			91			24000			90	
BO-JAC X53.....	N		140			22.1			92			24000			26	
BO-JAC X73.....	N		125			22.2			100			24000			46	
BO-JAC X84.....	N		124			25.3			88			24000			20	
CENTRAL-ILLINOIS C128.....	N		87			20.6			91			24000			36	
CENTRAL-ILLINOIS C147.....	N	T	134	138		26.0	29.1		97	79		24000	22444		23	11
COOP S-304.....	N	N	114	141		22.4	28.7		95	98		24000	23555		13	5
FARMERS UNION 2250.....	N		144			19.4			99			24000			86	
GUTWEIN 40.....	N		142			16.9			96			24000			86	
GUTWEIN 69A.....	N	B	147	129		21.4	22.1		95	51		24000	23777		43	23
GUTWEIN 70A.....	N		141			19.3			96			24000			93	
GUTWEIN 88.....	N		148			26.2			98			24000			40	
HOLDEN 1003.....	N	N	153	147		21.4	25.3		97	87		24000	24000		53	5
HOLDEN 1007.....	N		155			26.1			93			24000			6	
HOLDEN 1008.....	N		139			21.4			94			24000			66	
LEWIS X21.....	N		149			18.0			97			24000			86	
LEWIS X78.....	N		161	119	155	26.9	27.9	27.2	96	84	95	24000	23777	23554	30	20
LEWIS X82.....	N		140			23.5			88			24000			20	
MC ALLISTER SX6584.....	N	N	124	140	160	22.0	29.4	27.0	100	97	98	24000	24000	23780	40	5
MCALLISTER SX6837.....	N	T	139	122		26.4	28.5		98	80		24000	24000		40	11
MCALLISTER SX7001.....	N		124			21.8			98			24000			50	
MCALLISTER SX7066.....	N		138			17.7			97			24000			96	
MCCURDY MSX88.....	N		126			26.1			98			24000			33	
MOEWS M7372.....	N		108			21.8			87			24000			26	
MOEWS SM327A.....	N		116			21.3			74			24000			36	
MOEWS SM429.....	N	T	118	119		23.3	23.2		95	26		24000	23555		20	20
MOEWS SM520.....	N	T	88	115		22.4	24.6		90	28		24000	16800		16	18
MOEWS SM721.....	N	T	140	93	126	23.9	26.3	22.6	92	18	52	24000	23555	22444	40	16
MUNCY CHIEF SX662.....	B		141			21.9			100			24000			46	
MUNCY CHIEF SX777.....	T		121			20.4			95			24000			83	
MUNCY CHIEF SX878.....	N		136			24.9			96			24000			13	
O'S GOLD SX1101.....	N		136			17.2			99			24000			90	
O'S GOLD SX2101.....	N		131			18.7			96			24000			83	
O'S GOLD SX3104.....	N		132			19.7			100			24000			56	
O'S GOLD SX3200.....	N		126			21.5			95			24000			40	
O'S GOLD SX5500.....	N	T	145	133		24.9	28.3		99	82		24000	23555		33	13
LESTER-PFISTER 14.....	N		136			21.0			89			24000			63	
LESTER-PFISTER 15.....	N		131			19.7			81			24000			70	
LESTER-PFISTER 17.....	N		133			21.4			99			24000			46	
LESTER-PFISTER 27.....	N		140			19.7			96			24000			56	
LESTER-PFISTER 28.....	N		113			21.6			89			24000			66	
LESTER-PFISTER 62.....	N		121			21.8			96			24000			33	
PIONEER 3222.....	N		136			22.1			91			24000			33	
PIONEER 3334.....	N	N	151	145	146	22.2	27.6	23.0	95	97	98	24000	23777	23997	40	5
PIONEER 3368.....	N		139			24.2			94			24000			13	
PIONEER 3369A.....	N	B	125	117	169	23.7	26.4	23.6	96	62	96	24000	24000	23996	13	10
PIONEER 3376.....	N	B	111	102	149	22.4	25.2	24.4	97	70	99	24000	23777	23998	40	11
PIONEER 3387.....	N	U	144	143	147	22.2	25.2	22.6	96	88	98	24000	24000	23998	60	16
PIONEER 3388.....	N	B	159	139		21.8	24.9		91	89		23777	23777		70	12
PIONEER 3390.....	N	B	127	109	155	20.1	22.6	21.2	91	39	93	24000	24000	23999	76	16
PIONEER X6618.....	N		149			23.5			97			24000			20	
PIONEER X8004.....	N	N	134	163		22.0	27.4		98	97		24000	23777		63	5
PRAIRIE STREAM GOLDEN CROSS SX18.....	N	T	122	127	142	20.2	21.9	17.9	99	36	85	24000	24000	24001	63	30
PRAIRIE STREAM GOLDEN CROSS SX3.....	N		148			17.8			97			24000			76	
PRINCETON SX650.....	N	N	122	140		21.4	24.8		96	80		24000	23555		40	3
PRINCETON SX823.....	N	T	122	104	132	21.6	24.6	23.4	98	74	99	24000	24000	23999	16	20
RENK RK44.....	B		150			17.5			97			24000			83	
SCHENK SX-110.....	N		115			24.7			96			24000			30	
SCHENK SX-440.....	N		134			22.0			95			24000			36	



Table 9a. — Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
STEWART SX71.....	N	T	136	121		23.2	26.5		99	58		24000	24000		13	6
SUPER-CROST 503.....	N		152			18.9			96			24000			66	
SUPER-CROST 7772.....	N		136			22.9			95			24000			16	
SUPER-CROST S65.....	N	B	137	134		20.8	25.1		96	90		24000	24000		36	6
SUPER-CROST S69.....	N	B	140	117	148	23.5	24.7	22.3	96	68	97	24000	24000	23995	36	26
SUPER-CROST S72.....	N		145			21.2			96			24000			43	
SUPER-CROST S79.....	N		154			24.4			91			24000			30	
SUPER-CROST S85.....	N	B	143	134		26.2	28.9		98	87		24000	22888		33	6
TODD M65.....	N		146			18.1			97			24000			86	
TODD M70.....	N	T	164	111	147	23.1	25.0	26.0	100	54	88	24000	23555	23776	16	20
TODD M55.....	N	T	120	94	120	20.3	22.1	19.4	91	59	99	23777	24000	23778	33	47
TRISLER T-919.....	N		89			22.5			100			24000			10	
TRISLER T-934.....	N		122			24.7			98			24000			26	
TRISLER T-940.....	N	N	116	124		21.3	29.8		90	76		24000	23555		46	5
TRISLER T-X-8.....	N		128			19.9			90			24000			50	
TRISLER T-X-9.....	N		125			20.0			97			24000			60	
TROJAN TXS 111.....	N		103			20.0			100			24000			50	
TROJAN TXS 112.....	N	T	135	111		21.7	23.4		95	54		24000	23555		36	27
TROJAN TXS 113.....	N		111			22.8			100			24000			23	
TROJAN TXS 115.....	N	N	127	126		21.7	29.7		98	88		24000	24000		56	5
TROJAN TXS 118.....	N		100			21.6			100			24000			23	
TROJAN TX 119.....	N		144			25.8			92			24000			26	
VAN HORN CAP 202.....	N		163			25.8			97			24000			23	
VAN HORN CAP 270.....	N		110			25.4			97			24000			20	
WHISNAND 840.....	N		125			22.2			94			24000			23	
WHISNAND 870.....	N		113			24.2			95			24000			23	
WHISNAND 874.....	N	T	154	115	146	22.0	24.7	23.2	93	25	84	24000	23777	23997	33	13
AVERAGE OF 1971 ENTRIES.....			132			22.1			95			24000			44	
L. S. D.....			29			1.5			8			N.S.			19	
C. V.....			13													

Table 9b. — Urbana High Lysine Trials

Entry	Total acre yield	Grain moisture	Erect plants	Plants per acre	Protein	Grams lysine per 100 g. of protein	Blight
	bu.	perct.	perct.		perct.	grams	perct.
<b>Opaque-2</b>							
Garnett-Ross CR 2.....	126	25.6	97	20035	9.4	3.8	10
I. F. S. 070-B013.....	117	24.2	100	20035	9.7	3.7	10
I. F. S. 070-B020.....	142	27.8	100	20213	10.4	3.7	10
I. F. S. 070-B046.....	132	22.9	99	20213	9.6	3.4	10
Lewis X38L.....	105	24.1	99	19149	10.1	3.4	20
P. A. G. 50001.....	89	23.2	98	19150	10.3	3.5	10
P. A. G. 50036.....	97	23.3	97	19149	9.3	3.7	20
Tracy T307 HyLy.....	59	20.7	95	17200	10.7	3.6	30
Trojan LTXS 102.....	82	20.1	96	19681	10.3	3.5	60
Trojan LTXS 112.....	122	24.7	100	18085	9.3	4.7	10
Trojan LTXS 119.....	108	25.4	100	18794	9.4	4.6	0
Check (ACCO UC 3600Tms).....	131	22.7	96	20213	9.8	2.9	50
Average of entries.....	109	23.7	98	19326	9.9	3.7	20
L. S. D.....	16	1.0	N.S.	N.S.	.4	.7	5
C. V.....	10	...	...	...	...	...	...
<b>Floury-2</b>							
I. F. S. 070-R005.....	140	19.5	95	21000	(a)	(a)	(a)
I. F. S. 070-R002.....	146	20.0	99	21000	(a)	(a)	(a)
P. A. G. 50101.....	130	20.9	100	21000	(a)	(a)	(a)

\* Data were incomplete at time of publication. They may be obtained from 305 Turner Hall, University of Illinois, Urbana, Illinois 61801.

Table 10. — West South-Central Illinois: Greenfield (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD RU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 392.....	N		128			21.4			81			18000			43	
ACCO UC 8801.....	N		97			19.9			92			18000			33	
ACCO UC 8851.....	N		108			19.0			81			18000			53	
AINSWORTH 6978.....	N		119			21.6			70			17555			20	
AINSWORTH X-19.....	N		111			20.3			88			18000			30	
AINSWORTH X-19A.....	N		108			23.9			72			18000			16	
AINSWORTH X-20A.....	N		123			20.2			79			18000			20	
AINSWORTH X-8478.....	N	B	130	130		22.0	27.3		71	92		18000	18000		20	10
AINSWORTH X-8493.....	N	B	110	114	182	21.1	28.2	15.7	86	93	87	17555	18000	17965	20	16
BEAR UNICORN 640.....	N		118			22.1			72			18000			26	
BEAR UNICORN 650.....	N		132			19.7			83			18000			26	
BEAR UNICORN 860.....	N		120			22.4			75			18000			16	
BEAR UNICORN 872.....	N	N	123	121	182	22.0	29.5	18.4	69	93	66	18000	18000	17963	20	5
EMBRO JUPITER.....	N		123			21.4			74			18000			23	
EMBRO PLOWBOY.....	N		105			22.7			88			18000			26	
EMBRO VENUS.....	N		97			19.3			67			17777			36	
EMBRO X-34.....	N		102			25.1			77			18000			23	
EMBRO X-4.....	N		119			23.6			72			18000			20	
MCCURDY MSX66A.....	N		105			20.5			88			18000			36	
MCCURDY MSX88.....	N		125			22.1			62			18000			26	
MCNAIR 2210.....	N		125			23.6			75			18000			20	
MCNAIR 3838.....	N		125			24.2			83			18000			16	
MOEWS M8820.....	N		124			23.4			86			18000			23	
MOEWS SM429.....	N	T	110	116		21.4	25.8		75	90		18000	18000		23	23
MOEWS SM721.....	N	T	104	97		21.6	27.4		85	71		18000	18000		30	20
MOEWS SM821W.....	N		90			25.0			64			18000			17	
PIONEER 314.....	N		108			21.7			70			18000			33	
PIONEER 3222.....	N		132			21.1			79			18000			16	
PIONEER 3334.....	N	N	119	126	158	20.1	29.9	17.8	70	93	86	18000	18000	17765	16	10
PIONEER 3368.....	N		129			21.7			83			18000			16	
PIONEER 3369A.....	N	B	90	122	173	21.5	28.2	16.4	62	85	71	18000	18000	17988	30	10
PIONEER 3376.....	N	B	129	124	176	19.9	27.6	14.5	92	90	85	18000	18000	17955	36	13
PIONEER 3388.....	N	B	124	118		20.2	27.6		82	93		17111	18000		43	20
PIONEER 3390.....	N		129			17.5			64			18000			46	</

Table 10a. — West South-Central Illinois: Greenfield, Increased Planting Rate  
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO AR 7018.....	N		97			25.0			76			24000			30	
ACCO AR 7318.....	N		125			19.9			83			23111			60	
ACCO AR 7345.....	N		105			22.4			75			24000			53	
ACCO AR 7405.....	N		106			21.0			75			24000			30	
ACCO U 378.....	N		91			19.7			81			24000			66	
ACCO UC 8851.....	N		111			18.2			82			24000			73	
BEAR UNICORN 640.....	N		103			20.6			73			24000			46	
BEAR UNICORN 650.....	N		96			20.3			80			24000			33	
BEAR UNICORN 860.....	N		95			21.1			62			24000			33	
BEAR UNICORN 872.....	N	N	93	132	176	22.1	30.6	17.9	70	89	77	22666	24000	24000	26	8
BD-JAC X1-83.....	N		109			20.0			65			24000			43	
BD-JAC X7L .....	N		125			23.6			87			24000			40	
BD-JAC X53.....	N		110			19.2			73			24000			56	
LEWIS X78.....	N		102			23.6			81			22666			46	
LEWIS X82.....	N		88			20.6			77			24000			56	
MCCURDY 67-10.....	N		110			21.1			77			24000			33	
MCCURDY MSX88.....	N		124			22.6			81			23111			33	
MOEWS M7722.....	N		57			22.5			75			24000			46	
MOEWS SM429.....	N	T	83	110		19.4	24.8		90	83		24000	24000		43	26
MOEWS SM721.....	N	T	105	114		23.4	28.2		73	77		24000	24000		36	20
PIONEER 3222.....	N		136			20.2			77			22666			26	
PIONEER 3334.....	N	N	113	136	170	18.9	30.0	17.5	89	95	79	24000	24000	24000	33	10
PIONEER 3368.....	N		126			22.6			85			24000			30	
PIONEER 3369A.....	N	B	96	131	171	20.7	26.4	16.3	68	76	81	21111	24000	24000	40	20
PIONEER 3376 .....	N	B	108	107	157	20.9	28.3	14.7	81	91	81	24000	23333	24000	43	20
PIONEER 3388.....	N	B	109	123		20.7	25.6		84	92		24000	24000		56	11
PIONEER 3390.....	N		122			18.6			92			24000			60	
PIONEER X4196.....	N		85			21.2			75			24000			36	
PIONEER X5349.....	N	U	111	124	173	22.6	31.6	19.3	68	85	74	24000	24000	24000	23	16
PIONEER X6618.....	N		96			21.9			91			23555			30	
SUPER-CROST 7772.....	N		84			20.2			74			23111			40	
SUPER-CROST S63.....	N		119			17.7			73			24000			80	
SUPER-CROST S65.....	N	B	98	124		19.3	26.3		68	89		24000	22888		50	10
SUPER-CROST S69.....	N	B	124	113		21.1	26.1		87	89		24000	24000		40	23
SUPER-CROST S79.....	N		119			20.9			77			22222			26	
SUPER-CROST S85.....	N	B	122	110		24.0	29.1		81	88		23777	24000		43	20
VAN HORN CAP 43.....	N	N	88	129	178	20.1	29.4	15.6	81	85	61	22000	23333	24000	56	13
VAN HORN CAP 202.....	N		112			21.3			83			24000			30	
VAN HORN CAP 239.....	N	T	115	99	179	20.7	26.9	15.5	67	77	81	24000	23333	24000	33	23
AVERAGE OF 1971 ENTRIES.....			105			20.9			79			23600			44	
L. S. D.....			38			2.6			27			N.S.			26	
C. V.....			19													

Table 11. — Southern Illinois: Brownstown (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO UC 8801.....	N		110			17.9			89			17333			20	
ACCO UC 8851.....	N		82			16.6			78			17111			23	
AINSWORTH 6978.....	N		72			16.8			62			17555			16	
AINSWORTH X-86.....	N		152			17.5			88			16888			10	
AINSWORTH X-6507.....	N	8	120	51	126	18.9	24.1	19.3	86	98	70	16666	17333	18000	16	20
AINSWORTH X-8478.....	N	8	103	66		16.7	23.0		69	99		17111	18000		23	5
BEAR UNICORN 640.....	N		118			18.5			80			18000			13	
BEAR UNICORN 650.....	N		91			16.8			56			17777			16	
BEAR UNICORN 860.....	N		103			19.4			82			17777			20	
BEAR UNICORN 872.....	N	N	95	37	117	20.0	26.4	20.5	71	100	70	18000	18000	18000	16	3
BO-JAC 3451A.....	N		116			18.6			78			17777			23	
BO-JAC X1-83.....	N	8	107	79		17.2	21.9		78	96		17777	18000		23	6
BO-JAC X7L.....	N	8	105	62	132	18.9	25.5	22.2	81	99	87	18000	17666	18000	20	6
BO-JAC X51.....	N	8	105	65		15.7	20.6		75	98		16888	18000		16	5
BO-JAC X77L.....	N		120			20.5			86			18000			16	
BO-JAC X83.....	N		131			18.2			61			17777			16	
FARMERS UNION 2390.....	N		118			18.5			82			18000			16	
HOBLIT XR445.....	N		93			16.6			61			18000			30	
HOBLIT XR448.....	N		93			17.6			53			18000			16	
MCCURDY MSX88.....	N		126			18.6			85			18000			23	
MCNAIR 2210.....	N		84			18.6			76			17555			13	
MCNAIR 3838.....	N		77			20.7			67			18000			13	
MIGRO M-40SX.....	N	T	99	36		18.6	25.1		50	97		18000	18000		16	16
MIGRO M-46SX.....	N		110			18.1			85			16222			20	
MIGRO M-0702.....	N		89			17.3			54			18000			23	
MIGRO M-0711.....	N		117			19.6			87			17555			16	
MOEWS M6621.....	N		85			15.7			45			17333			26	
MOEWS M7722.....	N		87			17.5			64			18000			23	
MOEWS SM429.....	N	T	98	61		16.6	21.3		75	99		17777	18000		13	16
MOEWS SM721.....	N	T	104	52		19.4	24.5		61	97		17777	18000		10	8
PIONEER 3206.....	N		88			16.9			71			17777			20	
PIONEER 3222.....	N		101			17.2			76			16888			6	
PIONEER 3334.....	N	N	124	48	142	18.0	25.8	21.2	94	100	91	17555	15833	18000	6	2
PIONEER 3368.....	N		117			18.3			72			18000			16	
PIONEER 3369A.....	N	8	127	51	129	18.1	23.0	20.8	83	96	66	17555	18000	18000	16	8
PIONEER 3376.....	N	8	123	46	122	15.9	21.6	19.8	77	98	72	18000	18000	18000	23	11
PIONEER 3388.....	N	8	114	41		17.1	24.4		88	100		17111	18000		20	6
PIONEER X1319.....	N		105			18.1			84			17777			20	
PIONEER X5349.....	N		144			19.7			80			18000			6	
PIONEER X6618.....	N		111			19.1			77			18000			13	
PRINCETON SX823.....	N		101			17.0			96			17555			23	
STULL 720SX.....	N	T	102	36	111	19.3	25.0	20.5	72	98	66	17555	18000	18000	16	8
STULL 807SX.....	N	T	104	42		18.5	23.0		65	95		17111	17666		10	8
STULL 809ASP.....	N		119			20.3			72			18000			16	
WHISNAND 886 (868).....	N	T	98	57		16.8	21.8		77	98		17555	18000		13	13
AVERAGE OF 1971 ENTRIES.....			106			18.0			72			17600			13	
L. S. D.....			41			1.7			22			N.S.			13	
C. V.....			19													



Table 11a. — Southern Illinois: Brownstown, Increased Planting Rate  
(Planting at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO U 378.....	N		89			16.6			86			21352			30	
ACCO UC 8851.....	N		78			15.3			81			21137			43	
ASGRDW ASX92.....	N		90			16.3			79			22000			36	
ASGRDW IXL9.....	N		74			18.9			87			20705			33	
ASGRDW RX100.....	N		60			17.4			56			21352			23	
BEAR UNICORN 640.....	N		82			16.9			71			21137			43	
BEAR UNICORN 650.....	N		77			16.2			79			21784			36	
BEAR UNICORN 860.....	N		84			17.8			51			20274			23	
BEAR UNICORN 872.....	N		83	56	147	17.9	23.8	21.7	49	97	42	21352	20742	22000	23	3
BD-JAC X1-83.....	N	B	93	56		15.9	22.8		51	97		22000	19695		40	8
BD-JAC X7L .....	N	B	97	56	149	17.6	23.5	22.2	92	97	76	20705	20742	22000	40	10
BD-JAC X83.....	N		69			14.3			40			21137			40	
BD-JAC X84.....	N		81			18.1			38			22000			36	
HDLDEN 1007.....	N		102			18.4			60			21137			30	
HDLDEN 1009.....	N		85			17.2			82			20921			33	
MCCURDY MSX88.....	N		100			18.0			94			22000			30	
MDEWS M6378.....	N	T	72	54	146	17.4	21.5	20.1	69	100	72	20921	20742	20888	36	13
MDEWS SM429.....	N	T	84	43		15.3	20.0		70	96		21784	20742		36	16
MDEWS SM522W.....	N		70			17.4			40			18764			40	
MDEWS SM721.....	N	T	89	63		18.6	24.1		64	93		21568	20323		26	10
MDEWS SM 821 W.....	N		77			20.2			77			21137			17	
PIONEER 3222.....	N		85			15.8			72			20705			26	
PIDNEER 3334.....	N	N	95	53		15.4	24.6		88	95		21352	20323		23	5
PIONEER 3368.....	N		81			16.2			72			21784			30	
PIONEER 3369A.....	N	B	93	53	155	15.9	22.3	21.1	59	91	77	21352	20742	22000	40	6
PIONEER 3376 .....	N	B	70	71	144	16.0	21.3	18.8	90	97	76	22000	20323	22000	40	13
PIDNEER 3388.....	N	B	94	60		16.8	20.5		89	100		20921	20742		40	16
PIONEER X1319.....	N	N	92	47	154	16.9	24.3	21.5	82	97	85	22000	20742	22000	30	3
PIONEER X5349.....	N		102			17.3			89			21568			26	
PIONEER X6618.....	N		86			16.1			90			21352			30	
PIDNEER X8001.....	N	N	60	19	143	16.7	23.7	21.6	90	100	75	22000	20742	22000	30	5
PRINCETON SX650.....	N	N	91	45		15.3	22.8		54	100		22000	19485		50	5
TODD M65.....	N		95			13.3			92			22000			50	
TODD M70.....	N	T	102	60		15.5	21.3		81	94		19843	20742		43	15
TODD M90.....	N	T	80	42		15.2	20.5		70	95		20705	19904		46	10
TROJAN TXS 112.....	N	T	91	84		17.1	21.3		86	100		21568	17390		33	13
TROJAN TXS 113.....	N		97			16.7			78			20921			36	
TROJAN TXS 115.....	N	N	84	52		14.1	25.4		92	96		20705	20323		33	6
TROJAN TXS 119.....	N	T	94	49		18.0	23.5		94	94		21137	20742		30	10
TROJAN TX 119 .....	N	N	86	71		18.6	23.0		89	93		20705	17390		26	10
TROJAN TXS 120.....	N	N	69	52		16.2	28.9		51	96		20705	19695		20	6
TROJAN TXS122.....	N		86			18.0			77			21568			30	
WHISNAND 870.....	N		72			15.3			66			21784			40	
WHISNAND 874.....	N	T	76	69		14.9	21.2		65	97		21568	20742		40	13
AVERAGE OF 1971 ENTRIES.....			85			16.5			75			21300			35	
L. S. D.....			27			1.6			24			2000			11	
C. V.....			17													

Table 12. — Extreme Southern Illinois Bottomland: Dixon Springs  
(Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO AR 7018.....	N		137			28.3			93			17555			16	
ACCO AR 7318.....	N		134			32.1			93			17555			13	
ACCO AR 7345.....	N		123			30.0			91			18000			16	
ACCO AR 7405.....	N		111			30.7			93			17555			3	
ACCO UC 8801.....	N		136			31.7			98			18000			10	
ACCO UC 8851.....	N		115			24.9			98			17111			13	
AINSWORTH X-20.....	N		125			30.0			96			17555			6	
AINSWORTH X-20A.....	N		137			31.0			95			18000			6	
AINSWORTH X-847R.....	N	B	137	107		30.7	25.5		68	91		17777	17666		13	12
BQ-JAC X1-83.....	N	B	157	123		28.1	25.8		95	88		18000	17500		3	11
BO-JAC X84.....	N		150			33.0			91			18000			6	
BO-JAC X97.....	N		160			33.2			98			18000			6	
EMBRO JUPITER.....	N		142			29.4			93			17111			10	
EMBRO PLOWBOY.....	N		128			31.7			100			17777			3	
EMBRO VENUS.....	N		103			29.8			87			16888			10	
EMBRO X-3M.....	N		136			31.8			93			16666			3	
EMBRO X-4.....	N		106			30.5			93			18000			16	
MCNAIR 2210.....	N		135			31.6			93			18000			6	
MCNAIR 3838.....	N		155			34.0			95			18000			6	
MOEWS M8822.....	N		132			30.2			97			15555			10	
MOEWS SM522W.....	N		107			29.4			77			17555			16	
MOEWS SM721.....	N	T	133	59		31.3	23.6		93	74		17333	16833		3	20
PIONEER 3147.....	N		138			35.6			92			18000			0	
PIONEER 3206.....	N		115			27.1			95			16888			6	
PIONEER 3222.....	N		141			29.7			96			17555			13	
PIONEER 3300.....	N	B	120	84		26.4	25.1		100	74		16444	17666		10	15
PIONEER 3334.....	N	N	139	105		33.1	28.8		98	91		18000	17666		6	4
PIONEER 3368.....	N		168			30.6			97			18000			16	
PIONEER 3369A.....	N	B	142	105	157	32.8	25.7	15.2	96	81	81	16444	17833	18000	6	12
PIONEER 3376.....	N	B	143	91	143	30.5	23.9	14.7	98	88	75	18000	17833	18000	10	17
PIONEER X5349.....	N	U	175	135		32.9	29.5		92	86		17555	17500		3	6
PIONEER X8001.....	N		144			28.2			97			16888			16	
PRINCETON SX836.....	N		162			31.9			100			17777			13	
PRINCETON SX850.....	N		138			30.6			93			17333			3	
SCHENK SS-101.....	N	N	131	130		33.9	30.4		96	94		17555	16333		3	3
SCHENK SS-303.....	N		114			32.4			95			15555			16	
SCHENK SS-660.....	N		152			28.9			97			17777			6	
SCHENK SX-110.....	N		145			27.2			98			18000			10	
STULL 555W.....	N		137			36.0			89			17777			20	
STULL 560WSP.....	N		116			35.4			95			18000			10	
STULL 720SX.....	N	T	142	65	129	31.6	23.1	15.5	93	70	67	18000	17666	18000	6	22
STULL 809SX.....	N		122			31.4			90			17555			10	
STULL 809ASP.....	N		130			30.7			91			17333			10	
STULL 850 WSX.....	N		121			35.7			91			18000			3	
STULL 877SX.....	N		131			33.0			97			18000			13	
TAYLOR-EVANS CASHMAKER.....	T		94			27.8			89			17777			33	
TAYLOR-EVANS MASTERMAKER.....	T		85			29.2			88			14888			50	
TAYLOR-EVANS MINTMAKER.....	T		95			26.0			93			18000			26	
AVERAGE OF 1971 ENTRIES.....			133			31.0			94			17500			11	
L. S. D.....			25			1.7			12			1380			16	
C. V.....			12													

(Planted at 24,000 plants per acre in 30-inch rows)

[illegible]



Table 13.—Extreme Southern Illinois Upland: Carbondale (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO UC 8801.....	N		157			21.9			98			18000			15	
ACCO UC 8851.....	N		117			20.5			96			18000			32	
AINSWORTH X-9.....	N	T	147	33	72	22.4	24.5	18.1	100	89	56	18000	17333	18000	2	27
AINSWORTH X-198.....	B		145			21.6			98			18000			12	
AINSWORTH X-19C.....	T		112			21.0			87			17833			97	
AINSWORTH X-717R.....	N		156			22.3			94			18000			2	
BN-JAC X1-R3.....	N		132			21.7			100			18000			10	
MCNAIR 2210.....	N		147			23.4			96			18000			5	
MCNAIR 3R38.....	N		140			23.6			95			18000			10	
MOEKS M8621.....	N		145			24.2			97			17833			8	
MOEKS SM721.....	N	T	122	21	62	22.3	26.4	19.1	94	84	45	18000	18000	18000	12	20
MOEKS SM821W.....	N	N	135	22		27.7	28.7		96	95		18000	17000		5	8
PIONEER 314.....	N		116			22.0			92			18000			10	
PIONEER 3147.....	N		169			25.5			97			18000			0	
PIONEER 3222.....	N		142			21.5			99			18000			2	
PIONEER 3300.....	N	B	156	54	65	21.2	24.2	17.5	99	69	66	18000	17833	18000	10	17
PIONEER 3334.....	N	N	152	43		22.1	26.7		99	92		18000	17833		7	4
PIONEER 3368.....	N		157			21.8			100			18000			15	
PIONEER 3369A.....	N	B	138	35	82	21.6	26.7	18.3	99	91	64	18000	17833	18000	7	11
PIONEER 3376.....	N	B	149	23	62	21.6	25.2	18.1	100	90	48	18000	17833	18000	10	17
PIONEER X5349.....	N	U	170	27		24.9	29.4		97	88		18000	17833		0	6
PIONEER X5602.....	N		120			20.6			99			18000			12	
PRINCETON SX836.....	N		135			22.6			98			17500			5	
PRINCETON SX850.....	N		140			21.0			98			18000			10	
STULL 720SX.....	N		142			22.6			98			18000			10	
STULL 807SX.....	N		135			22.2			97			18000			10	
STULL 809ASP.....	N		144			22.9			98			18000			7	
WHISNAND 853.....	N		126			22.3			92			18000			12	
AVERAGE OF 1971 ENTRIES.....			141			22.5			97			17900			12	
L. S. D.....			27			0.8			8			N.S.			6	
C. V.....			13													

Table 13a. — Extreme Southern Illinois Upland: Carbondale, Increased Planting Rate  
(Planted at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	CYTOPLASMIC TYPE		TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE			BLIGHT PERCENT	
	1971	1970	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970	1969	1971	1970
ACCO UC 8851.....	N		91			21.4			94			21838			20	
HOLDEN 1007.....	N		113			23.0			95			21838			10	
HOLDEN 1009.....	N		128			23.7			97			21514			10	
MOEWS M7372.....	N	N	116	45	85	20.2	24.6	17.8	86	95	51	22000	19328	21111	10	4
MOEWS SM721.....	N	T	98	30		22.2	25.1		96	92		21191	19800		7	17
MOEWS SM821 W.....	N		77			28.5			91			22000			8	
PIONEER 3222.....	N		111			22.0			98			21838			5	
PIONEER 3300.....	N	B	107	43	106	23.0	25.2	19.9	97	79	72	21838	18385	20222	10	20
PIONEER 3334.....	N	N	121	24		21.9	26.9		97	98		22000	20742		5	4
PIONEER 3368.....	N		106			21.3			94			22000			10	
PIONEER 3369A.....	N	B	87	66	92	21.2	25.8	18.6	100	91	77	22000	18700	20666	10	10
PIONEER 3376.....	N	B	102	52	62	21.1	25.3	18.3	97	97	57	21838	18857	22000	12	15
PIONEER 3390.....	N		90			18.4			94			21838			17	
PIONEER X1319.....	N		96			23.2			98			21514			7	
PIONEER X5349.....	N	U	136	29		26.7	29.2		97	93		22000	20742		0	5
PIONEER X5602.....	N		61			21.5			97			22000			12	
PRINCETON SX850.....	N	B	106	63		21.1	27.1		93	96		21838	20742		10	12
SUPER-CROST 7772.....	N		98			20.9			98			22000			10	
SUPER-CROST S72.....	N		110			20.4			98			22000			12	
SUPER-CROST S79.....	N		84			19.9			94			21676			17	
SUPER-CROST S85.....	N	B	111	43		22.8	25.9		99	90		21352	17600		10	12
AVERAGE OF 1971 ENTRIES.....			103			22.2			96			21800			10	
L. S. D.....			19			0.8			11			N.S.			8	
C. V.....			14													









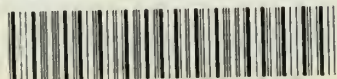








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